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20987 7590 01/09/2006

VOLENTINE FRANCO, & WHITT PLLC
ONE FREEDOM SQUARE
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RESTON, VA 20190

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(Depositor's name)
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/782,783	02/23/2004	Ju-Bum Lee	SEC.1081	5507

TITLE OF INVENTION: METHOD FOR MANUFACTURING VIAS BETWEEN CONDUCTIVE PATTERNS UTILIZING ETCHING MASK PATTERNS FORMED ON THE CONDUCTIVE PATTERNS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	04/10/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
MAI, ANH D	2814	438-637000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

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2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Volentine Francos

1 & Whitt, PLLC

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Samsung Electronics Co., Ltd.

(B) RESIDENCE: (CITY and STATE OR COUNTRY) GYEONGGI DO REPUBLIC OF KOREA

Suwon-si, Gyeonggi-do

Republic of Korea

1400.00 OP

300.00 OP

3.00 OP

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee (No small entity discount permitted)☒ Advance Order - # of Copies 1

4b. Payment of Fee(s):

☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-0238 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Typed or printed name

STEPHEN R. WHITT

Date March 31, 2006

Registration No. 34,753

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity)

(37 C.F.R. 1.311)

Docket No.

SEC.1081

Applicant(s): Ju-Bum LEE

Application No.

10/782,783

Filing Date

February 23, 2004

Examiner

Anh D. MAI

Customer No.

20987

Group Art Unit

2814

Confirmation No.

5507

Invention: METHOD FOR MANUFACTURING VIAS BETWEEN CONDUCTIVE PATTERNS UTILIZING
ETCHING MASK PATTERNS FORMED ON THE CONDUCTIVE PATTERNS

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P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith are the following for the above-identified application.

☒ Issue Fee Transmittal Form PTOL-85☒ Utility Fee: \$ 1400.00☐ Design Fee: _____☐ Plant Fee: _____☒ Publication Fee: \$ 300.00☒ A check in the amount of \$1,703.00 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0238
as described below.☐ Charge the amount of☒ Credit any overpayment.☒ Charge any additional fee required.☐ Payment by credit card. Form PTO-2038 is attached.

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Signature

Dated: March 31, 2006

STEPHEN R. WHITT

REG. NO. 34,753

VOLENTINE FRANCO & WHITT, PLLC

ONE FREEDOM SQUARE

11951 FREEDOM DRIVE, SUITE 1260

RESTON, VA 20190

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